

Claims

1. (Amended Once) A flame retarding and smoke suppressing additive powder, comprising, by weight:

a carbonific material 10.0-12.0%;

a heat activated blowing agent 15.5-17.5%;

a heat activated halogen material 12.0- 17.0% which forms a fire extinguishing halogen gas under heat;

A1 a phosphate material 30-33.4% which forms water and phosphorous acid when reacting with one or more of the remaining ingredients in the powder under heat; and

an inorganic binder 23.5.0-29.5%.

2. (Amended Once) The powder of claim 1 wherein the carbonific material is selected from the group consisting of dipentaerythritol, pentaerythritol polyurethane, phenol, triethylene glycol, resorcinol, inositol, sorbitol, dextrin, and starch.

A2 4. (Amended Once) The powder of claim 1 wherein the heat activated halogen material is selected from the group of chlorinated paraffin by weight - 40% and chlorinated paraffin by weight - 70%.

Please cancel claims 7-11.

AB 12. (Amended Once) A flame retarding and smoke suppressing additive powder for mixing with resins comprising, by weight:

10.0-12.0% of a carbonific comprising of dipentaerythritol, dipentaerythritol, pentaerythritol, pentaerythritol polyurethane, phenol, triethylene glycol, resorcinol, inositol, sorbitol, dextrin, and starch;

15.5-17.5% of a blowing agent comprising malamine;

12.0-19.0% of a halogen containing materials comprising chlorinated paraffins;

AB 30-33.4% of a phosphorous containing material which is selected from the group consisting of ammonium polyphosphate, tris(2,3-dibromopropyl) phosphate, tris(beta-chloroethyl) phosphate, guanidine phosphate, urea phosphate, melamine phosphate, monoammonium phosphate, diammonium phosphate, and mixtures thereof; and

23.5-29.5% of an inorganic material is selected from the group consisting of calcium aluminate cement, silica flour, and glass beads.

Remarks

The application was filed with claims 1-12. Claims 7-11 have been withdrawn without prejudice. Claims 1-6, and 12 have been examined and are pending. Claims 1-6, and 12 are rejected. All rejections are traversed.

In paragraphs 1-6, the Examiner indicates the election/restriction under 35 U.S.C. 121. Applicants confirm election of invention I - claims 1-6, and 12, and the withdrawal of claims 7-11 without prejudice. Applicants reserve the right to refile the withdrawn claims.